

RECEIVED

DEC 13 2001

TECH CENTER 1600/2900

6632-#  
12-28-01  
1600

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/435,471B

DATE: 11/28/2001

TIME: 13:15:34

Input Set : A:\Usf 1201.app

Output Set: N:\CRF3\11212001\I435471B.raw

ENTERED

3 <110> APPLICANT: Cooper, Denise R  
4 Patel, Niketa A  
6 <120> TITLE OF INVENTION: Introduction of a Glucose-Regulated Instability Element  
7 Via Alternative Exon Inclusion of PKCBII mRNA in  
8 Vascular Smooth Muscle Cells  
10 <130> FILE REFERENCE: 114205-1200 Corrected  
12 <140> CURRENT APPLICATION NUMBER: 09/435,471B  
13 <141> CURRENT FILING DATE: 1999-11-08  
15 <160> NUMBER OF SEQ ID NOS: 14  
17 <170> SOFTWARE: PatentIn Ver. 2.1  
19 <210> SEQ ID NO: 1  
20 <211> LENGTH: 7  
21 <212> TYPE: PRT  
22 <213> ORGANISM: Homo sapiens  
24 <220> FEATURE:  
25 <223> OTHER INFORMATION: Xaa at amino acid residues 2-6 is any amino acid  
26 residue.  
28 <400> SEQUENCE: 1  
W--> 29 Cys Xaa Xaa Xaa Xaa Arg  
30 1 5  
33 <210> SEQ ID NO: 2  
34 <211> LENGTH: 11  
35 <212> TYPE: PRT  
36 <213> ORGANISM: Homo sapiens  
38 <220> FEATURE:  
39 <223> OTHER INFORMATION: Xaa at amino acid residue 1 is Ile or Val; Xaa at  
40 amino acid residue 10 is Ser or Thr; Xaa at amino  
41 acid residues 4 and 7 is any amino acid residue.  
43 <400> SEQUENCE: 2  
W--> 44 Xaa His Cys Xaa Ala Gly Xaa Gly Arg Xaa Gly  
45 1 5 10  
48 <210> SEQ ID NO: 3  
49 <211> LENGTH: 9  
50 <212> TYPE: PRT  
51 <213> ORGANISM: Homo sapiens  
53 <220> FEATURE:  
54 <223> OTHER INFORMATION: Xaa at residue positions 3-4, and 6-7 is any amino  
55 acid residue; Xaa at amino acid residue 9 is Ser  
56 or Thr.  
58 <400> SEQUENCE: 3  
W--> 59 His Cys Xaa Xaa Gly Xaa Xaa Arg Xaa  
60 1 5  
63 <210> SEQ ID NO: 4  
64 <211> LENGTH: 33  
65 <212> TYPE: DNA  
66 <213> ORGANISM: Artificial Sequence  
68 <220> FEATURE:

## RAW SEQUENCE LISTING

DATE: 11/28/2001

PATENT APPLICATION: US/09/435,471B

TIME: 13:15:34

Input Set : A:\Usf 1201.app

Output Set: N:\CRF3\11212001\I435471B.raw

```

69 <223> OTHER INFORMATION: Description of Artificial Sequence:
70     oligonucleotide primer
72 <400> SEQUENCE: 4
73 cgtatatgcg gccgcgttgt gggcctgaag ggg           33
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 33
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence:
83     oligonucleotide primer
85 <400> SEQUENCE: 5
86 gcattctagt cgacaagagt ttgtcagtgg gag           33
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 22
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Description of Artificial Sequence:
96     oligonucleotide primer
98 <400> SEQUENCE: 6
99 gcattcthtc cagtgaggag aa           22
102 <210> SEQ ID NO: 7
103 <211> LENGTH: 21
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial Sequence:
109     oligonucleotide primer
111 <400> SEQUENCE: 7
112 aaccagcacg ttgccagga g           21
115 <210> SEQ ID NO: 8
116 <211> LENGTH: 33
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Description of Artificial Sequence:
122     oligonucleotide primer
124 <400> SEQUENCE: 8
125 cgtatatgcg gccgcgttgt gggcctgaag ggg           33
128 <210> SEQ ID NO: 9
129 <211> LENGTH: 33
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence:
135     oligonucleotide primer
137 <400> SEQUENCE: 9
138 gcattctagt cgacaagagt ttgtcagtgg gag           33

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/435,471B

DATE: 11/28/2001

TIME: 13:15:34

Input Set : A:\Usf 1201.app

Output Set: N:\CRF3\11212001\I435471B.raw

```

141 <210> SEQ ID NO: 10
142 <211> LENGTH: 351
143 <212> TYPE: DNA
144 <213> ORGANISM: Human PKC Beta II
146 <400> SEQUENCE: 10
147 ttttaaacca aaagcttttt gggcgaaacg ctgaaacttc gaccggtttt tcacccgccca 60
148 tccaccagtc ctaacacctc cgaccaggaa gtcatacagga atattgacca atcagaattc 120
149 gaaggatttc ctttggttaac tctgaatttt taaaaccgga agtcaagagc tagtagatct 180
150 gtagacctcc gtccttcatt tctgtcattc aagctcacag ctatcatgag agacaagcga 240
151 gacacctcca acttcgacaa aagttcacca ggcagcctgt ggaactgact cccactgaca 300
152 aactctgtcg actagaatgc cctgaattct gcagatatcc atcacactgc g 351
155 <210> SEQ ID NO: 11
156 <211> LENGTH: 39
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: metabolite responsive instability element
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence: nucleic acid
165 construct
167 <400> SEQUENCE: 11
168 taactctgaa tttttaaaac ccgaagtcaa gagctagta 39
171 <210> SEQ ID NO: 12
172 <211> LENGTH: 300
173 <212> TYPE: RNA
174 <213> ORGANISM: Human PKC Beta II
176 <400> SEQUENCE: 12
177 uuuuaaacca aaagcuuuuu gggcgaaacg cugaaacuuc gaccgguuuu ucacccgccca 60
178 uccaccaguc cuaacaccuc cgaccaggaa gucaucagga auauugacca aucagaauuc 120
179 gaaggauuuc cuuuguaaac ucugauuuuu uaaaaccgga agucaagagc uaguagauuc 180
180 guagaccucc guccuucuuu ucugucuuuc aagcucacag cuaucaugag agacaagcga 240
181 gacaccucca acuucgacaa aaguucacca ggcagccugu ggaacugacu cccacugaca 300
184 <210> SEQ ID NO: 13
185 <211> LENGTH: 175
186 <212> TYPE: RNA
187 <213> ORGANISM: Human PKC Beta II
189 <400> SEQUENCE: 13
190 uuuuaaacca aaagcuuuuu gggcgaaacg cugaaacuuc gaccgguuuu ucacccgccca 60
191 uccaccaguc cuaacaccuc cgaccaggaa gucaucagga auauugacca aucagaauuc 120
192 gaaggauuuc cuuuguaaac ucugauuuuu uaaaaccgga agucaagagc uagua 175
195 <210> SEQ ID NO: 14
196 <211> LENGTH: 137
197 <212> TYPE: RNA
198 <213> ORGANISM: Human PKC Beta II
200 <400> SEQUENCE: 14
201 uuuuaaacca aaagcuuuuu gggcgaaacg cugaaacuuc gaccgguuuu ucacccgccca 60
202 uccaccaguc cuaacaccuc cgaccaggaa gucaucagga auauugacca aucagaauuc 120
203 gaaggauuuc cuuuguu 137

```

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/435,471B

DATE: 11/28/2001

TIME: 13:15:35

Input Set : A:\Usf 1201.app

Output Set: N:\CRF3\11212001\I435471B.raw

L:29 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1  
L:29 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1  
L:29 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:44 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2  
L:44 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2  
L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:59 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3  
L:59 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3  
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3